

FIG. 1000

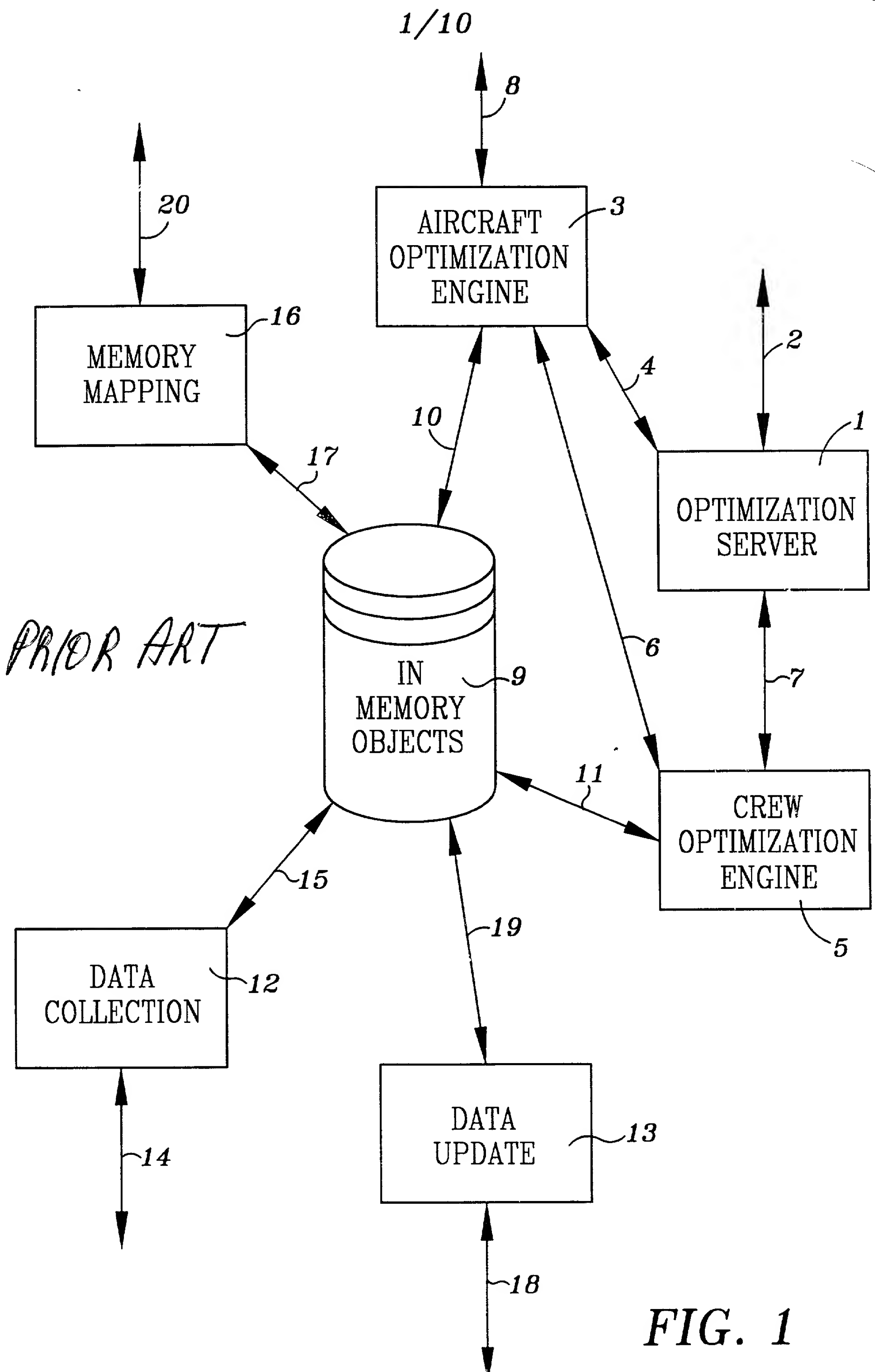


FIG. 1

Fig. 2

The diagram illustrates a directed graph with three vertical paths, P_1 , P_2 , and P_3 . Each path contains a sequence of nodes labeled f_{ij} , where i is the path index and j is the node index. The nodes are connected by directed edges labeled D_{ij} .

- Path P_1 :** Nodes $f_{11}, f_{12}, f_{13}, f_{14}, f_{15}, f_{16}$. Nodes f_{12} and f_{14} have an 'X' mark.
- Path P_2 :** Nodes $f_{21}, f_{22}, f_{23}, f_{24}, f_{25}, f_{26}, f_{27}$. Nodes f_{23} and f_{24} have an 'X' mark.
- Path P_3 :** Nodes $f_{31}, f_{32}, f_{33}, f_{34}, f_{35}, f_{36}, f_{37}$.

Directed edges and their labels:

- $P_1 \rightarrow P_2$: D_{11} (from f_{11} to f_{22}), D_{12} (from f_{14} to f_{23}), D_{13} (from f_{15} to f_{36}).
- $P_2 \rightarrow P_1$: D_{21} (from f_{22} to f_{12}).
- $P_2 \rightarrow P_3$: D_{23} (from f_{22} to f_{33}), D_{31} (from f_{24} to f_{34}), D_{32} (from f_{25} to f_{35}).
- $P_3 \rightarrow P_2$: D_{22} (from f_{34} to f_{24}).
- Internal P_2 edges:** D_x (from f_{22} to f_{24}), D_{27} (from f_{23} to f_{25}).

Each path ends with a triangle symbol at the bottom.

Fig. 3

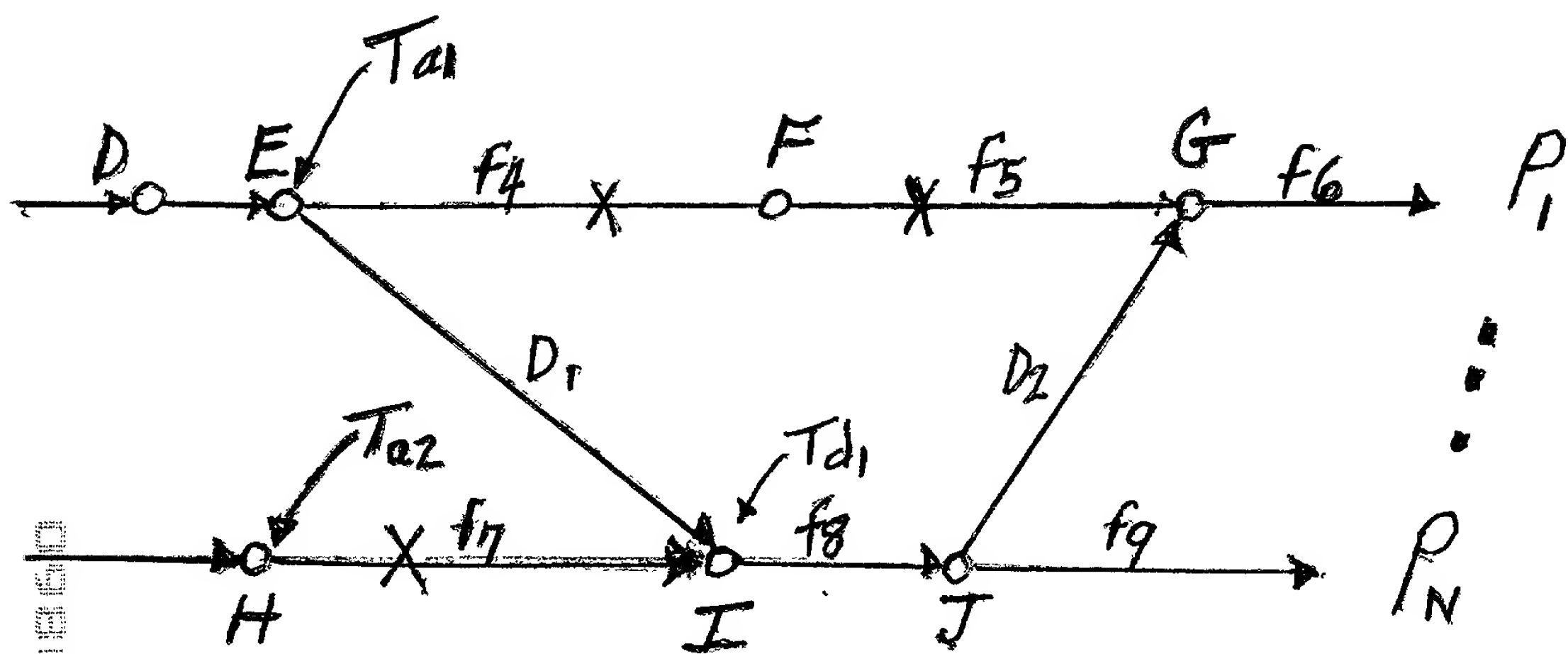


Fig. 4

09867834 098604

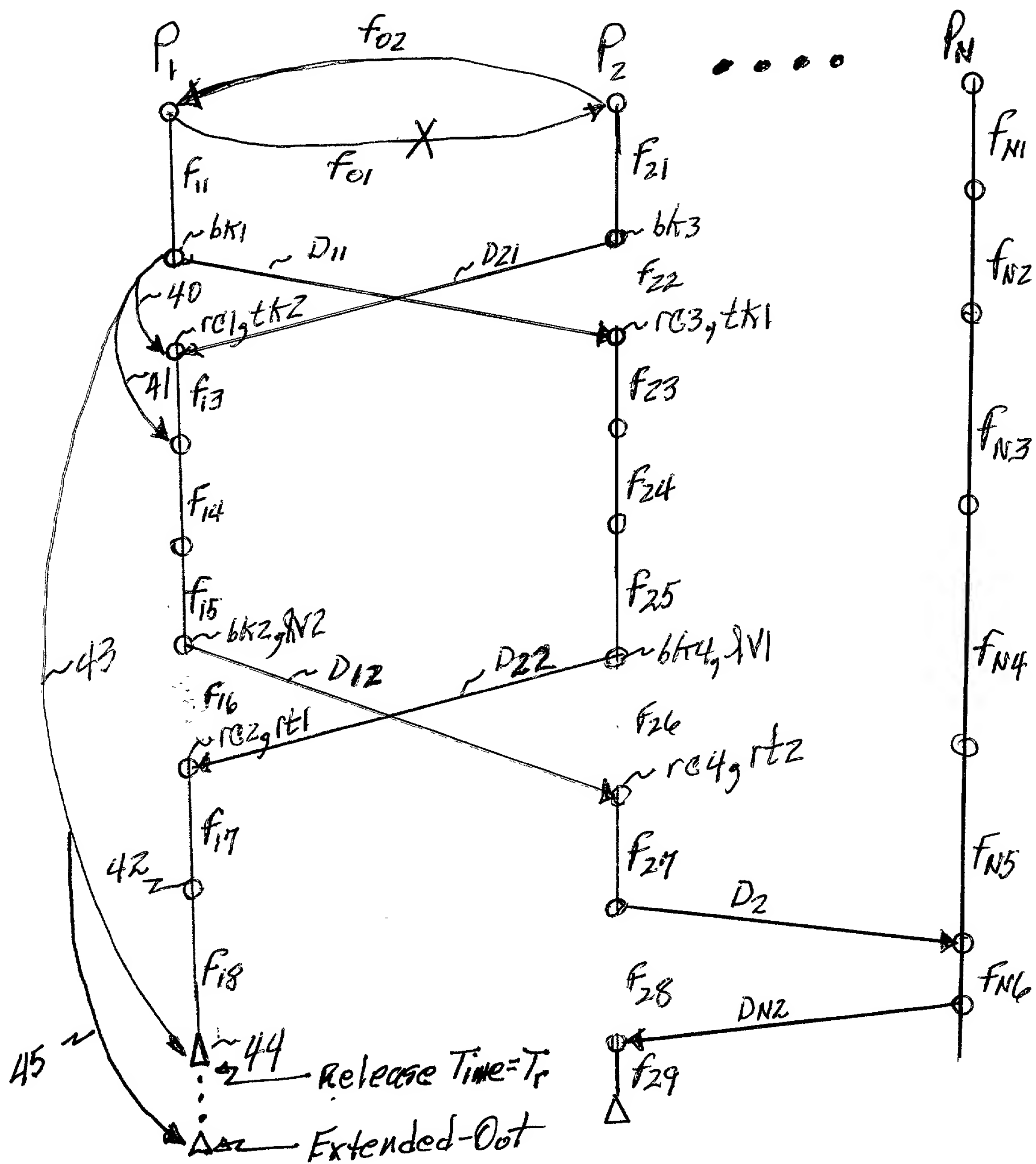
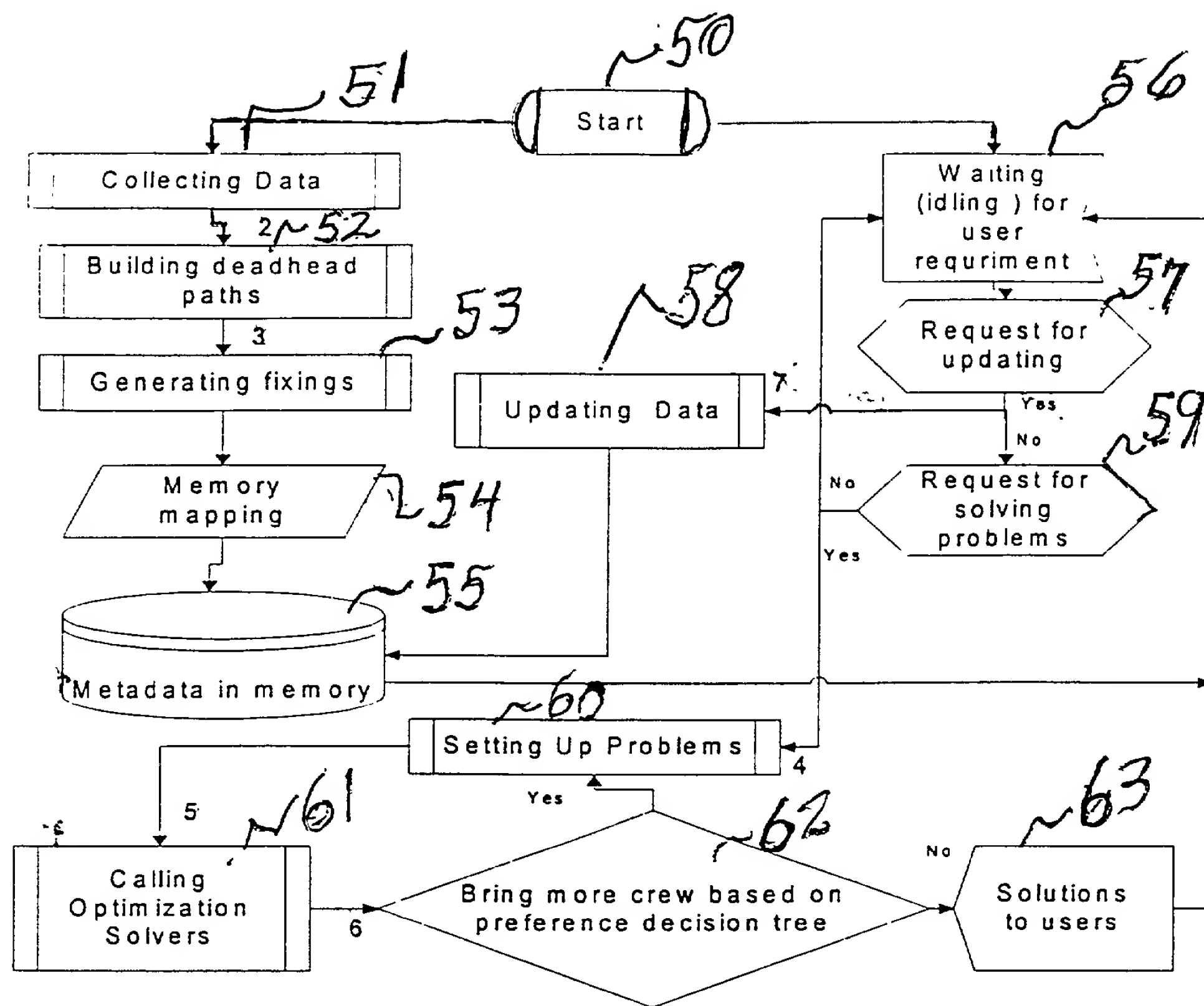


Figure 5



6
Figure 1 Outline of solver procedures

09667331 096601

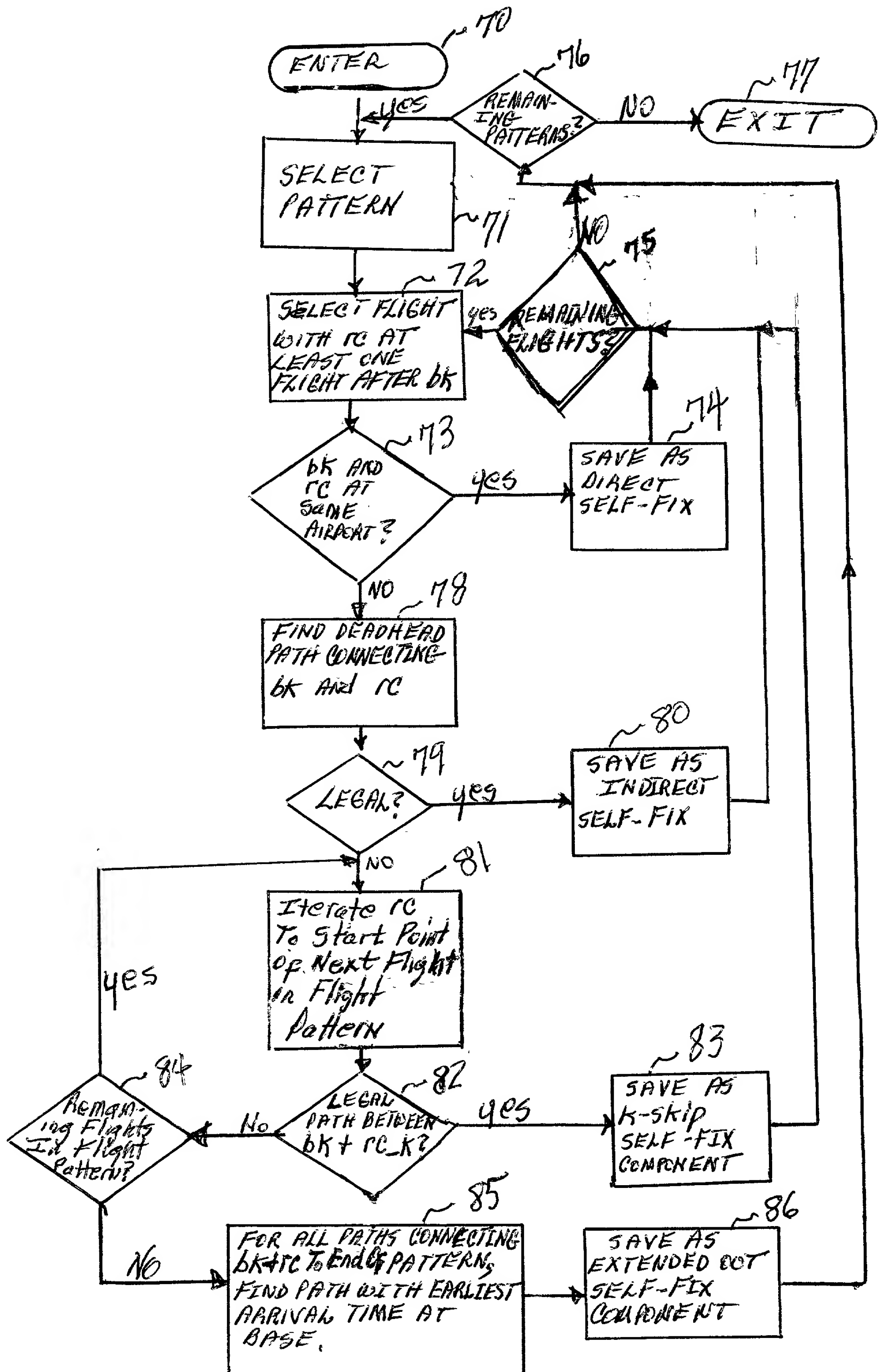


Fig. 7

09637351 096301

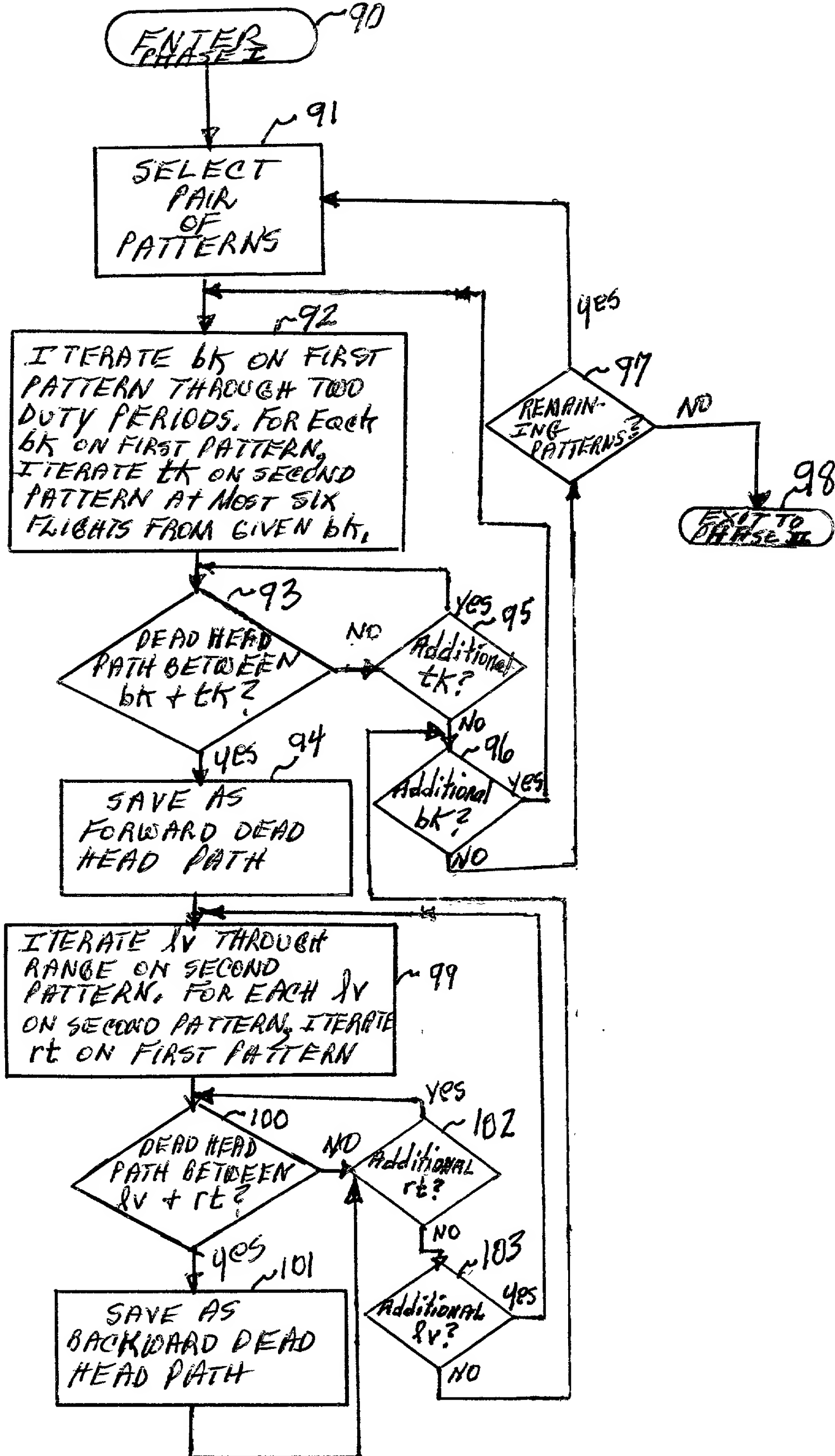


FIG. 8

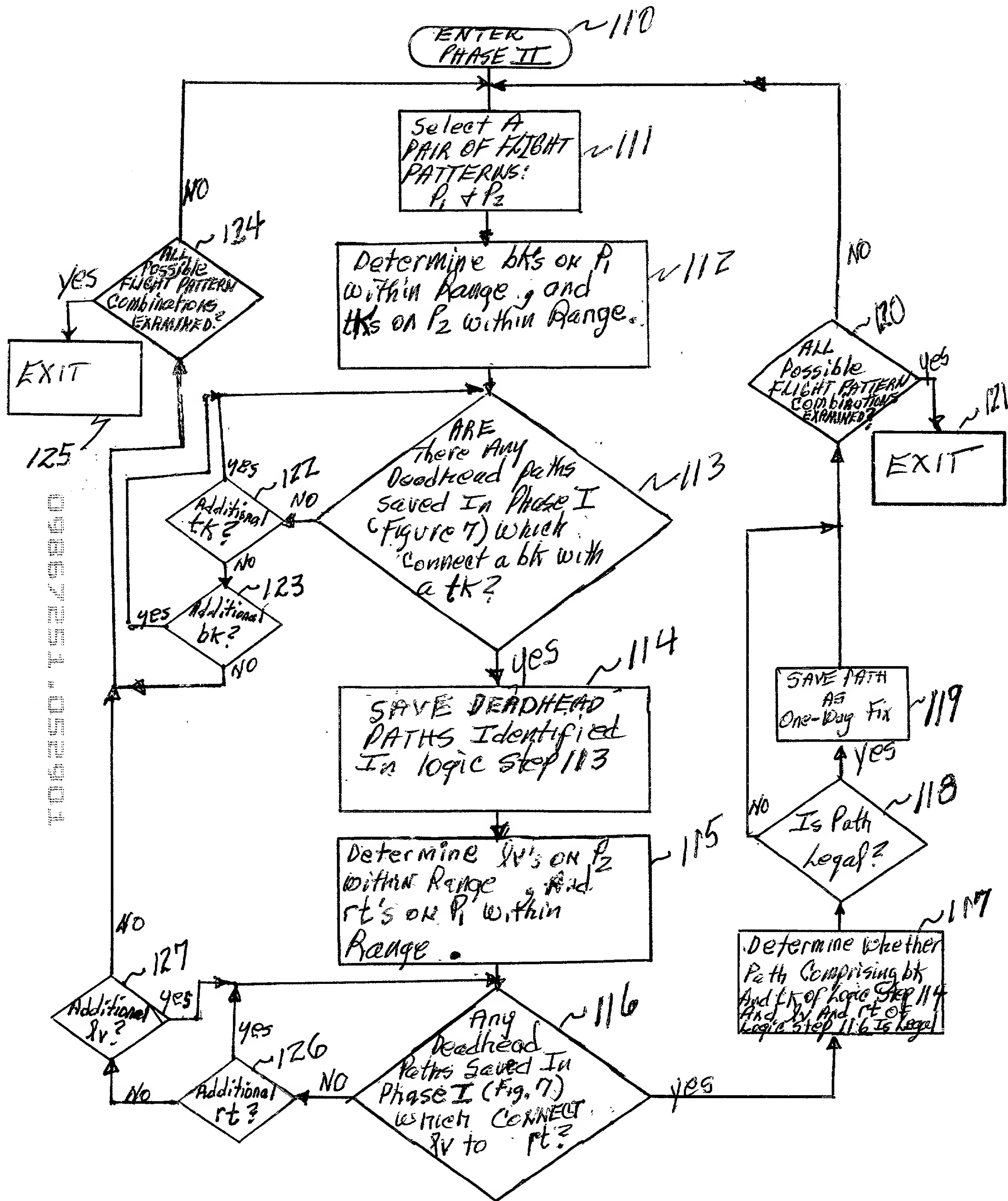


Fig. 9

09063231 052901
T05250 T522980

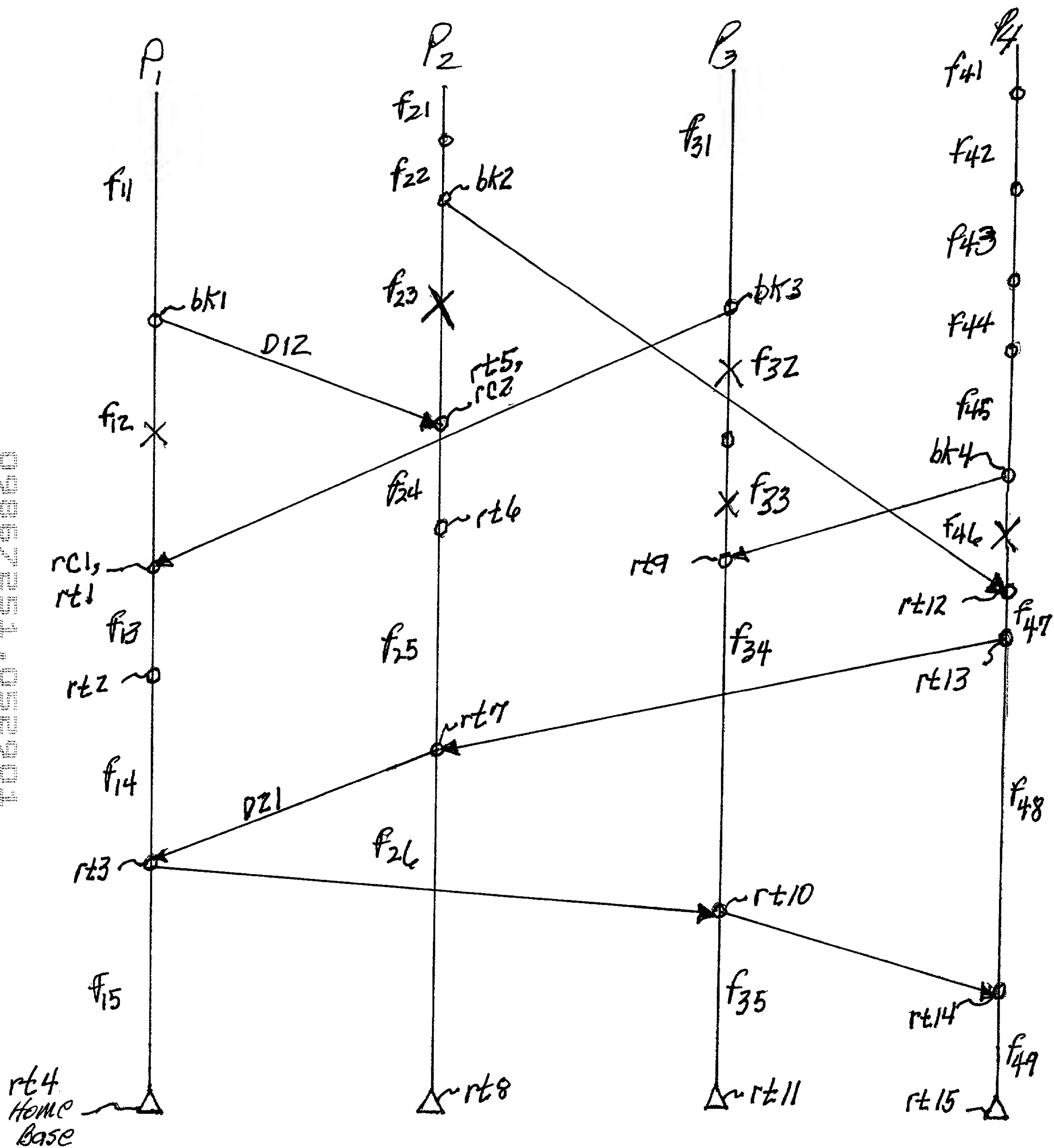


Fig. 10

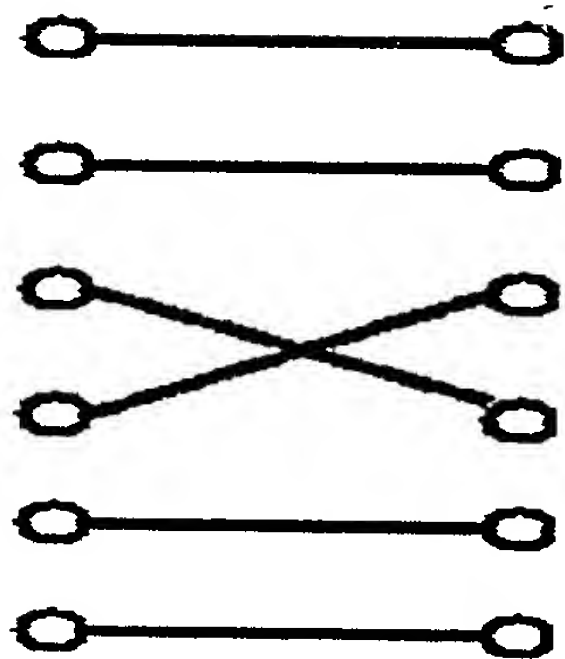


Fig. 11 (b)

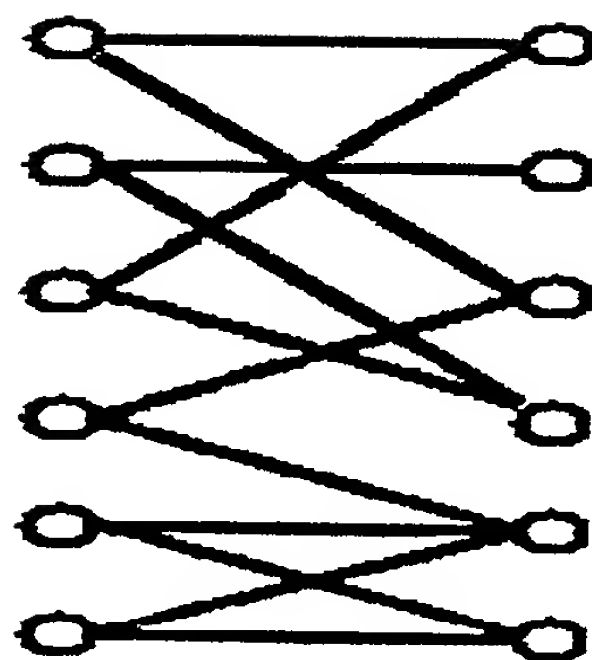


Fig. 11 (a)

SCANNED # 8

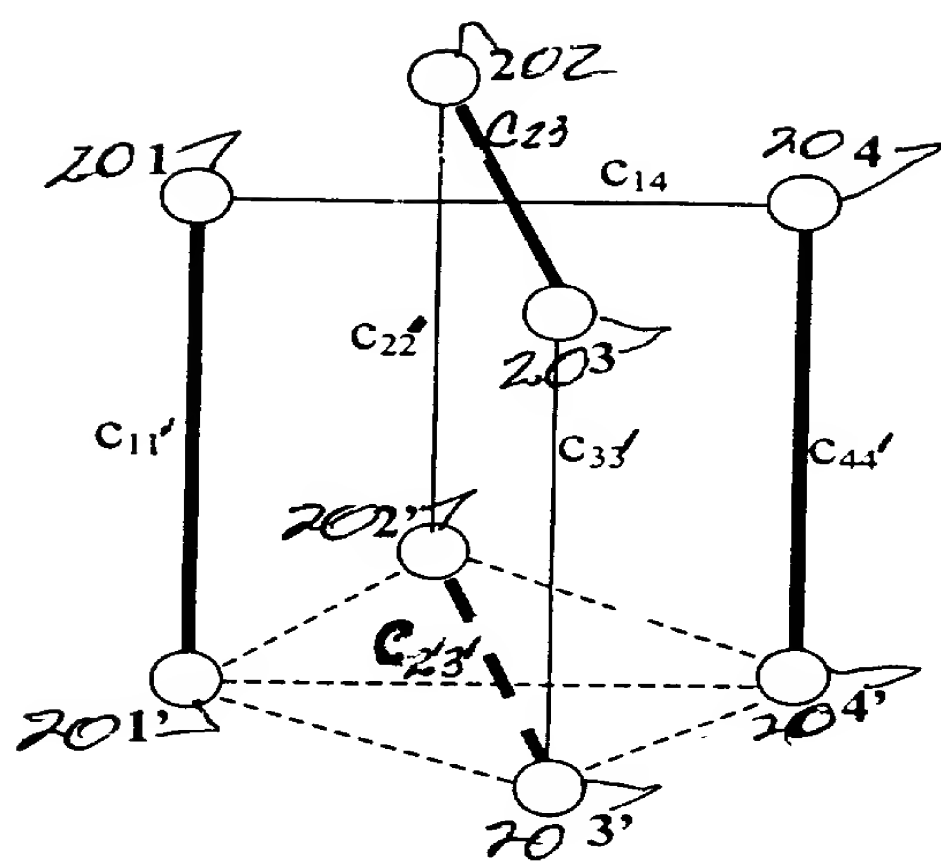


Figure 12